Quan-Ping Zhang

List of Publications by Year
in descending order

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45	685	516710	610901
papers	citations	16 h-index	24 g-index

45	45	45	639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microencapsulated phase change materials based on graphene Pickering emulsion for light-to-thermal energy conversion and management. Solar Energy Materials and Solar Cells, 2019, 203, 110204.	6.2	65
2	Metal ion-promoted fabrication of melanin-like poly(L-DOPA) nanoparticles for photothermal actuation. Science China Chemistry, 2020, 63, 1295-1305.	8.2	50
3	Superhydrophobic property of epoxy resin coating modified with octadecylamine and SiO2 nanoparticles. Materials Letters, 2019, 247, 204-207.	2.6	38
4	Elevated gamma-rays shielding property in lead-free bismuth tungstate by nanofabricating structures. Journal of Physics and Chemistry of Solids, 2018, 112, 185-189.	4.0	36
5	Synthetic Melanin Hybrid Patchy Nanoparticle Photocatalysts. Journal of Physical Chemistry C, 2019, 123, 5345-5352.	3.1	34
6	Tailoring lattices of Bi2WO6 crystals via Ce doping to improve the shielding properties against low-energy gamma rays. Journal of Physics and Chemistry of Solids, 2019, 127, 76-80.	4.0	29
7	Large scale formation of various highly oriented structures in polyethylene/polycarbonate microfibril blends subjected to secondary melt flow. Polymer, 2014, 55, 6399-6408.	3.8	27
8	Direct liquid phase deposition fabrication of waxberry-like magnetic Fe 3 O 4 @TiO 2 core-shell microspheres. Materials Chemistry and Physics, 2016, 181, 391-396.	4.0	25
9	Co-shielding of neutron and Î³-ray with bismuth borate nanoparticles fabricated via a facile sol-gel method. Inorganic Chemistry Communication, 2017, 77, 55-58.	3.9	25
10	Chemically bonding BaTiO₃ nanoparticles in highly filled polymer nanocomposites for greatly enhanced dielectric properties. Journal of Materials Chemistry C, 2020, 8, 8786-8795.	5.5	21
11	One-dimensional lead borate nanowhiskers for the joint shielding of neutron and gamma radiation: controlled synthesis, microstructure, and performance evaluation. CrystEngComm, 2017, 19, 7260-7269.	2.6	20
12	PbWO₄ nanofibers for shielding gamma radiation: crystal growth, morphology and performance evaluation. CrystEngComm, 2018, 20, 6197-6206.	2.6	20
13	Tailoring chain length and cross-link density in dielectric elastomer toward enhanced actuation strain. Applied Physics Letters, 2017, 111, .	3.3	18
14	Controlled synthesis of anisotropic lead borate crystals and its co-shielding of neutron and gamma radiations. Journal of Alloys and Compounds, 2017, 727, 1027-1035.	5.5	18
15	Core-shell structured CaCO3@CNF for enhanced dielectric properties of polymer nanocomposites. Applied Surface Science, 2019, 487, 77-81.	6.1	18
16	Effects of annealing on the hierarchical crystalline structures and mechanical properties of injectionâ€molded bars of highâ€density polyethylene. Polymer International, 2014, 63, 296-306.	3.1	16
17	Hierarchical crystalline structures and dynamic mechanical properties of injectionâ€molded bars of HDPE: attributes of temperature field. Polymers for Advanced Technologies, 2013, 24, 541-550.	3.2	15
18	Fabrication of h-BN@PbWO4 with a facile sol-gel method towards enhanced photocatalytic and radiation shielding properties. Journal of Solid State Chemistry, 2019, 269, 594-599.	2.9	15

#	Article	IF	Citations
19	Phase change microcapsules with lead tungstate shell for gamma radiation shielding and thermal energy storage. International Journal of Energy Research, 2019, 43, 8398.	4.5	14
20	The Complex Crystalline Structure of Polyethylene/Polycarbonate Microfibril Blends in a Secondary Flow Field. Macromolecular Chemistry and Physics, 2014, 215, 1146-1151.	2.2	13
21	Fabrication of Poly(methyl methacrylate)-block-Poly(methacrylic acid) Diblock Copolymer as a Self-embrittling Strippable Coating for Radioactive Decontamination. Chemistry Letters, 2016, 45, 793-794.	1.3	12
22	Extension of the orientation region of high density polyethylene molded by gasâ€assisted injection molding: control of the thermal field. Polymer International, 2014, 63, 1997-2007.	3.1	11
23	Fabrication of Lead Borate Single Crystal Nanosheets for Attenuating Both Neutron and Gamma Radiations. Advanced Engineering Materials, 2017, 19, 1600650.	3.5	11
24	Study on the Influencing Factors in the Process of Surface Strippable Decontaminant. Coatings, 2020, 10, 649.	2.6	11
25	High loading boron nitride chemically bonded with silicone rubber to enhance thermal neutron shielding and flexibility of polymer nanocomposites. Journal of Applied Polymer Science, 2021, 138, 50774.	2.6	11
26	A novel hierarchical crystalline structure of injection-molded bars of linear polymer: co-existence of bending and normal shishâ€“kebab structure. Colloid and Polymer Science, 2013, 291, 1503-1511.	2.1	10
27	Tuning Crystalline Morphology of Highâ€Ðensity Polyethylene by Tailoring its Molecular Weight Distribution for Coupling with a Secondary Flow Field. Macromolecular Materials and Engineering, 2015, 300, 901-910.	3.6	9
28	Enhanced Thermal Conductivity of 5A Molecular Sieve with BNs Segregated Structures. Advanced Engineering Materials, 2018, 20, 1700745.	3.5	9
29	Lead borate@polydopamine coreâ€“shell particles chemically bonded with silicone rubber for neutron and Î³â€rays shielding. Journal of Applied Polymer Science, 2022, 139, 51914.	2.6	9
30	Insights into heat management of hydrogen adsorption for improved hydrogen isotope separation of porous materials. Journal of Materials Science and Technology, 2021, 76, 200-206.	10.7	7
31	High loading BaTiO₃ nanoparticles chemically bonded with fluorinated silicone rubber for largely enhanced dielectric properties of polymer nanocomposites. Physical Chemistry Chemical Physics, 2021, 23, 26219-26226.	2.8	7
32	Constructing WO3/TiO2 heterojunction with solvothermal-sintering for enhanced photocatalytic activity under visible light irradiation. Solid State Sciences, 2022, 131, 106963.	3.2	7
33	Hierarchical crystalline morphologies induced by a distinctly different melt penetrating process. RSC Advances, 2015, 5, 98299-98308.	3.6	6
34	The coupling relation between chain architectures and secondary flow field determined by an unusual dependence of shish-kebabs on molecular weight of high-density polyethylene. Journal of Materials Science, 2016, 51, 2585-2593.	3.7	6
35	Preparation of integrated multifunction Pb 3 B 10 O 16 [OH] 4 whisker by solvothermal method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1197-1200.	2.1	6
36	Improved hydrogen adsorption of 5A molecular sieves by enhancing its thermal conductivity. Applied Physics Letters, 2018, 113, .	3.3	6

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37	Hunting for advanced low-energy gamma-rays shielding materials based on PbWO4 through crystal defect engineering. Journal of Alloys and Compounds, 2020, 822, 153737.	5.5	6
38	Tailoring the crystalline morphologies and mechanical properties of highâ€density polyethylene parts by a change in the fluid flow pattern under gasâ€assisted injection molding. Journal of Applied Polymer Science, 2014, 131, .	2.6	5
39	A facile route to prepare lead borate crystals for jointly shielding neutron and gamma rays. Inorganic Chemistry Communication, 2020, 112, 107719.	3.9	5
40	Self-propagating High-temperature Synthesis and Photoluminescence Properties of Bi3B5O12 Powders. Chemistry Letters, 2015, 44, 571-573.	1.3	4
41	Numerical simulation and experimental study of PbWO ₄ /EPDM and Bi ₂ WO ₆ /EPDM for the shielding of Î³ -rays. Chinese Physics C, 2016, 40, 089001.	3.7	4
42	Graphene oxide promoted synthesis of p-phenylenediamine antioxidants. Russian Journal of General Chemistry, 2016, 86, 356-359.	0.8	3
43	Role of gas cooling time on crystalline morphology and mechanical property of the HDPE parts prepared by gas-assisted injection molding. Colloid and Polymer Science, 2014, 292, 1129-1142.	2.1	2
44	Description of second flow field via the deformation of polystyrene phase in highâ€density polyethylene matrix. Journal of Applied Polymer Science, 2016, 133, .	2.6	1
45	Improved Layer Mechanical Properties of Micro Injection Molded PP. International Polymer Processing, 2017, 32, 138-142.	0.5	0